

Epigastric Abdominal Pain in Adult secondary to Gastric Duplication Cysts and Bifid Pancreas: An Uncommon Coexistence

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Disclosures

None





- Case Vignette
 - Presentation
 - Differential Diagnosis
 - Intervention
 - Findings
- Review of Topics
 - Duplication Cysts
 - Pancreatic Abnormalities
- Final Word





Case Vignette

- 29-year-old male with type 1 diabetes presented with chronic epigastric pain, early satiety, and nonbilious emesis.
 - CT imaging revealed a rare combination of a bifid pancreatic tail extending to the greater curvature of stomach and bilobed cystic structure
 - Differential diagnoses of pancreatic pseudocyst, gastric duplication cyst, or gastrointestinal stromal tumor.







Source: gross specimen of gastric duplication cysts and bifid pancreas





Pathology

A: Pancreas, ANTERIOR BIFID PANCREAS WITH LIKELY DUPLICATION CYSTS:

- Features consistent with enteric gastric duplication cysts with accessory pancreatic tissue present.
- Margins of resection negative for cystic structures.





Duplication Cysts

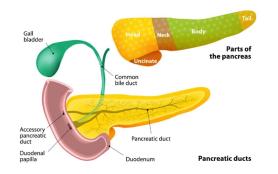
- Rare developmental anomalies, primarily in children, rarely adults
- Duplications occur anywhere along gastrointestinal tract
- Clinical manifestations: pain, vomiting, hematemesis, weight loss.
- Differential diagnoses: GISTs, neuroendocrine tumors, pancreatic heterotopia, pancreatic pseudocysts, neurogenic tumors, mesenteric cysts.
- Reporting cases crucial due to rarity for better understanding.





Anatomic Abnormalities of the Pancreas

- Most common variations include:
 - Pancreas divisum
 - Bifid pancreas
 - Annular pancrea
 - Ectopic pancreas
 - Pancreatic agenesis or hypoplasia
- Some anomalies can lead to clinical symptoms such as recurrent abdominal pain, nausea, vomiting, and recurrent pancreatitis.







Final Word

- Embryonic etiologies for abdominal symptoms are rare and should be considered in patient workups
- Documentation of rare cases will help further our understanding of their impacts on patients, approach to diagnosis and ultimately treatment





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